

CLAIMS

1. An automatic shift type manual transmission equipped with a forward shifter to perform forward stage shifting, a reverse shifter to perform reverse stage shifting, an actuator rod carrying said forward shifter and said reverse shifter, and an actuator to operate said actuator rod according to the shift operation of the shift lever, wherein the shifter length of said reverse shifter is set to be substantially the same as the shifter length of said forward shifter, and the reverse stage shift stroke measurement is set to be comparatively larger than the forward stage shift stroke measurement by allowing a difference in the operating measurement of said actuator rod.
2. An automatic shift type manual transmission in accordance with Claim 1, wherein said actuator rod is set to be rotated by said actuator according to the shift operation of said shift lever, the neutral position of said reverse shifter being set to be in a position pivoting toward one side from a vertical position to said actuator rod, with the reverse position of said reverse shifter being set to be in a position pivoting toward the other side from a vertical position to said actuator rod.
3. An automatic shift type manual transmission in accordance with Claim 2, wherein the neutral position of said forward shifter is set to be in a vertical position to said actuator rod, the first stage side shift position of said forward shifter being set to be in a position pivoting toward one side from a vertical position to said actuator rod, with the second stage side shift position being set to be in a position pivoting toward the other side from the vertical position to said actuator rod.
4. An automatic shift type manual transmission in accordance with Claim 3, wherein the rotation angle of said reverse shifter from the neutral position to the reverse position is set to be substantially the same as the rotation angle of said forward shifter from the first stage side shift position to the second stage side shift position.
5. An automatic shift type manual transmission in accordance with any of Claims 2 to 4, wherein the rotation angle of said reverse shifter to the neutral position is set to be substantially the same as the rotation angle of said reverse shifter to the reverse position.

6. An automatic shift type manual transmission equipped with a shifter to perform shifting, an actuator rod carrying said shifter, an actuator to operate said actuator rod according to the shift operation of the shift lever, and a drive control system to control the operation of said actuator so that the operating measurement of said actuator rod when shifting toward the second stage side is performed is set to be larger than the operating measurement of said actuator rod when shifting toward the first stage side is performed.
7. An automatic shift type manual transmission in accordance with Claim 6, wherein said actuator rod is set to be rotated by said actuator according to the shift operation of said shift lever, with said drive control system driving and controlling said actuator so that the rotation angle of said actuator rod when shifting toward the second stage side is performed is set to be larger than the rotation angle of said actuator rod when shifting toward the first stage side is performed.
8. An automatic shift type manual transmission in accordance with Claim 7, wherein said drive control system is set to control said actuator so that the neutral position in the second stage side of said shifter pivots toward one side from a vertical position to said actuator rod and the shift position in the second stage side pivots toward the other side from the vertical position to said actuator rod when shifting toward the second stage side is performed.
9. An automatic shift type manual transmission in accordance with Claim 7 or 8, wherein said drive control system is set to control said actuator so that the neutral position in the first stage side of said shifter is set to be in a position being vertical to said actuator rod when shifting toward the first stage side is performed, and the position of said shifter in the first stage side is set to be in a position pivoting toward one or the other side from a vertical position to said actuator rod.
10. An automatic shift type manual transmission in accordance with Claim 9, wherein said drive control system is set to control said actuator so that when shifting toward the second stage side is performed, the rotation angle of said actuator rod from the neutral position in the second stage side to the shift position in the second stage side is set to be substantially the same as the rotation angle of said shifter from a position pivoting toward one side from a vertical position to said actuator rod to a position

pivoting toward the other side from a vertical position to said actuator rod when shifting toward the first stage side is performed.

11. An automatic shift type manual transmission in accordance with any of Claims 8 to 10, wherein said drive control system is set to control said actuator so that when shifting toward the second stage side is performed the rotation angle of said shifter from a vertical position to said actuator rod to the neutral position in the second stage side is set to be substantially the same as the rotation angle of said shifter from a vertical position to said actuator rod to the position of said shifter in the second stage side.
12. An automatic shift type manual transmission in accordance with Claims 6 to 11, wherein said shifters include the first shifter to perform shifting toward the first stage side and the second shifter to perform shifting toward the second stage side.
13. An automatic shift type manual transmission in accordance with Claim 12, wherein the length of said first shifter is set to be substantially the same as the length of said second shifter.
14. An automatic shift type manual transmission in accordance with any of Claims 6 to 13, wherein the first stage side is the forward shifting stage, and the second stage side is the reverse shifting stage.